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Abstract of the Disclosure

An apparatus and method for implanting an intervertebral cage containing a bone graft and fusing adjacent vertebrae together while maintaining or correcting the angular alignment and balance of the spine. The invention provides a greatly improved method for anterior interbody fusion to form a fused bone segment having a predetermined fixed angular orientation. The apparatus has a cage unit adjustably coupled to an expansion cap, and has a wedge which may be adjusted to support the adjacent vertebrae with facing surfaces at a predetermined angle relative to each other. The cage unit is fenestrated and hollow, to receive a packed, harvested bone graft. A connecting bolt may be threaded or fixed to the rear of the cage unit. In certain embodiments, the cage unit and expansion cap are interlocking. Also in certain embodiments, especially utilizing round cages, the expansion cap may also include upper and lower horizontal bone-supporting surfaces and an anterior recess for receiving fasteners. A pair of independently adjustable cage units is fixedly intercoupled by a link.